

AMENDMENTS TO THE CLAIMS

Please amend the claims as follows:

1. (Currently amended) A method comprising:
broadcasting a synchronization signal from a wireless access point device
indicating a mode of operation and available network services; ~~and~~
receiving a request for establishment of a connection from a non-authorized
device in response to the broadcast of the synchronization signal; and
establishing a connection between ~~[[a]]~~ the non-authorized mobile device and the
access point device.
2. (Currently amended) The method of claim 1 further comprising:
~~wirelessly transmitting a synchronization signal to indicate a mode of operation~~
~~and available network services; ——— receiving a request for connection establishment~~
~~from the non-authorized mobile device;~~
receiving a request from the non-authorized mobile device for access to a selected
network service, ~~from among~~ of the available network services, ~~from the non-authorized~~
~~mobile device; and~~
allowing the non-authorized mobile device access to the selected network service.
3. (Original) The method of claim 1 wherein the available network services includes
free public network services.
4. (Original) The method of claim 1 wherein the available network services includes
pay-per-use public network services.

5. (Original) The method of claim 4 further comprising:
providing a form of payment for a pay-per-use network service.
6. (Original) The method of claim 5 wherein the form of payment is a credit card number.
7. (Original) The method of claim 5 wherein the form of payment is a prepaid payment number.
8. (Original) The method of claim 5 further comprising:
providing a secure transmission of information between the non-authorized mobile device and the access point device.
9. (Original) The method of claim 5 further comprising:
sending payment information from the non-authorized mobile device to the access point device wirelessly.
10. (Original) The method of claim 5 further comprising:
validating the payment information provided by the non-authorized mobile device; and
providing the validation results to the non-authorized mobile device.
11. (Currently amended) The method of claim 10 further comprising:
establishing a connection between the non-authorized mobile device [[to]] and a selected network service only if payment validation is successful.
12. (Currently amended) The method of claim 11 further comprising:

if a payment for the non-authorized mobile device expires, disconnecting the non-authorized mobile device from a selected network service, ~~from among of~~ the available network services, ~~if payment expires~~.

13. (Currently amended) The method of claim 1 further comprising:

performing data exchanges between the non-authorized mobile device and a selected network service, ~~from among of~~ the available network services[[,]] through the access point.

14. (Original) The method of claim 1 further comprising:

disconnecting the non-authorized mobile device from the access point device to terminate access to the available network services.

15. (Currently amended) The method of claim 1 wherein ~~connection the~~ establishment of the connection uses ~~any~~ an authentication procedure ~~performed in accordance with~~ provided in the Electrical and Electronics Engineers (IEEE) Standard 802.11 Specification or its supplements.

16. (Currently amended) A machine-readable medium having one or more instructions for enabling a non-authorized user to wirelessly access a number of network services, which when executed by a processor, causes the processor to perform operations comprising:

wirelessly transmitting a synchronization signal indicating a mode of operation and available network services;

receiving a request for connection establishment from a non-authorized user in response to the transmission of the synchronization signal;

establishing a connection with the non-authorized user;

receiving a request for access to a selected network service, from among the available network services, by the non-authorized user; and

providing the non-authorized user access to the selected network service.

17. (Original) The machine-readable medium of claim 16 further comprising:

requesting a form of payment from the non-authorized user for access to pay-per-use network services.

18. (Original) The machine-readable medium of claim 17 further comprising:

validating the payment information provided by the non-authorized user.

19. (Currently amended) The ~~method~~ machine-readable medium of claim 18 further comprising:

if payment from the non-authorized mobile device expires, disconnecting the non-authorized mobile device from the selected network service ~~if payment expires.~~

20. (Currently amended) The ~~method~~ machine-readable medium of claim 16 further comprising:

performing data exchanges between the non-authorized user and the selected network service.

21. (Currently amended) An apparatus comprising:

a transceiver port for wirelessly communicating with mobile devices;
a network communications port communicatively coupled to the transceiver port,
the network communications port for coupling to a network; and
a control unit coupled to the transceiver port and the network communications port, the control unit configured to control access from the transceiver port to the network

communications port and provide at least two modes of operation, a first mode of operation to provide authorized mobile devices access to the network communications port, and a second mode of operation to provide non-authorized mobile devices access to the network communications port[[]]

wherein the control unit is to use the transceiver port to broadcast a synchronization signal indicating a mode of operation and available network services, and to receive a response from an unauthorized mobile device in response to the broadcast of the synchronization signal.

22. (Original) The apparatus of claim 21 wherein any one of the operation modes can be dynamically enabled or disabled.

23. (Original) The apparatus of claim 21 wherein in the first mode of operation a specific authentication process is requested from the mobile devices to obtain full network access over the network communications port and in the second mode of operation no specific authentication process is requested from the mobile devices to obtain certain network access over the network communications port.

24. (Original) The apparatus of claim 21 wherein the second mode of operation allows the non-authorized mobile devices to obtain public network access through the network communication port.

25. (Original) The apparatus of claim 21 wherein the control unit is configured to provide secure services to both authorized and non-authorized mobile devices.

26. (Currently amended) The apparatus of claim 21 wherein the control unit is configured to provide data exchange to both authorized and non-authorized mobile

devices ~~in accordance with~~ utilizing an authorization process provided in the Electrical and Electronics Engineers (IEEE)_802.11 Standard or its supplements.

27. (Original) The apparatus of claim 21 wherein the control unit is configured to provide a third mode of operation, the third mode of operation provides authorized mobile devices access to the network communications port and non-authorized mobile devices limited access to the network communications port simultaneously.